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REFERENCES TO PUBLISHED REPORTS

of

RESEARCH IN HOME ECONOMICS

Receiving Federal Support

at the

AGRICULTURAL EXPERIMENT STATIONS

1928-1930

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EXPLANATORY NOTE

This compilation of published reports, from November 1, 1928, to November 1, 1930, inclusive, on home economics research projects receiving Federal support under the Purnell Act includes progress reports in the annual or biennial reports of the agricultural experiment stations, experiment station bulletins, and journal articles. To conserve space the references to progress reports, most of which summarize progress in all active projects, are given without titles and authors. Abstracts of reports of research presented at the annual meetings of the American Home Economics Association and published in the Journal of Home Economics have not been included. These are to be found in Vol. 21, No. 10, and Vol. 22, No. 10, of the Journal of Home Economics.

ARIZONA

The baking strength of Arizona Early Baart flour, M. C. Smith (Arizona Sta. Tech. Bul. 23 (1928), pp. 549-607).

The comparative nutritive value of yellow corn and the grain sorghums hegari and yellow milo, M. C. Smith (Jour. Agr. Research, 40 (1930), pp. 1129-1145).

A quantitative comparison of the vitamin A content of yellow corn and the grain sorghums hegari and yellow milo, M. C. Smith (Jour. Agr. Research, 40 (1930), pp. 1147-1153).

ARKANSAS

Progress reports in Arkansas Sta. Bul. 231 (1928), pp. 49, 50; Bul. 246 (1929), p. 53.

Effect of vitamin deficiencies on carbohydrate metabolism.--I, Hypoglycemia associated with anhydremia and disturbance in hematopoietic function in nursing young of the albino rat suffering from uncomplicated vitamin B deficiency. II, The influence of uncomplicated vitamin B deficiency on concentration of true sugar, reducing non-sugar, and alkaline reserve in the blood of the albino rat, B. Sure and M. E. Smith (Jour. Biol. Chem., 82 (1929), pp. 307-315; 84 (1929), pp. 727-740).

Vitamin requirements of nursing young.--VII, The production of uncomplicated vitamin-B deficiency in nursing young of the albino rat, B. Sure and M. E. Smith (Jour. Nutrition, 1 (1929), pp. 537-540).

CALIFORNIA

The effect of drying and of sulfur dioxide upon the antiscorbutic properties of fruits, A. F. Morgan and A. Field (Jour. Biol. Chem., 82 (1929), pp. 579-586).

Vitamins in dried fruits.--II, The effect of drying and of sulfur dioxide upon the vitamin A content of fruits, A. F. Morgan and A. Field (Jour. Biol. Chem., 88 (1930), pp. 9-25).

COLORADO

Progress reports in Colorado Sta. Repts. 1928, p. 35; 1929, pp. 38, 39.

CONNECTICUT

Progress reports in Connecticut Storrs Sta. Bul. 150 (1928), pp. 24-27; Bul. 162 (1929), pp. 18, 19.

FLORIDA

Progress reports in Florida Sta. Rpts. 1928, pp. 91-95; 1929, pp. 59-62.

GEORGIA

Progress reports in Georgia Sta. Rpts. 1928, pp. 33-35; 1929, pp. 24-27.

Food habits of Georgia rural people, S. J. Mathews (Georgia Sta. Bul. 159 (1929), pp. 31).

IDAHO

Progress reports in Idaho Sta. Bul. 164 (1929), pp. 31, 32; Bul. 170 (1930), p. 22.

Food consumption and food expenditures in relation to standards of requirements and family income, M. W. Talbott (Idaho Sta. Bul. 165 (1929), pp. 19).

ILLINOIS

Progress reports in Illinois Sta. Rpts. 1928, pp. 301-304; 1929, pp. 247-249.

The distribution of vitamin A in some corn-milling products, C. R. Meyer and R. A. Hetler (Jour. Agr. Research, 39 (1929), pp. 767-780).

INDIANA

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Fuels used for cooking purposes in Indiana rural homes, M. Rapp (Indiana Sta. Bul. 339 (1930), pp. 32).

IOWA

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Electric service for the Iowa farm (Iowa projects on rural electrification, Rpts. Nos. 3, 4, 5, and 6; Iowa State College Off. Pub. 27, Nos. 8, 9, 10, and 11).

The vitamin B content of vegetables, M. C. House, P. M. Nelson, and E. S. Haber (Iowa Sta. Research Bul. 120 (1930), pp. 333-344).

The influence of the amount of food consumed on the growth of an animal, M. C. House (Jour. Home Econ., 21 (1929), pp. 51-53).

The vitamin A, B, and C content of artificially versus naturally ripened tomatoes, M. C. House, P. M. Nelson, and E. S. Haber (Jour. Biol. Chem., 81 (1929), pp. 495-504).

Applications of statistical method to the data of vitamin feeding experiments.--I, The per cent effect of measured variables. II, How many animals per experimental lot, M. H. Irwin, with A. E. Brandt and P. M. Nelson (Jour. Biol. Chem., 88 (1930), pp. 449-459, 461-470).

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Vitamin A content of the green and white leaves of market head lettuce, M. M. Kramer, G. Boehm, and R. E. Williams (Jour. Home Econ., 21 (1929), pp. 679, 680).

Vitamins in canned foods.--VIII, Home canning and commercial canning contrasted in their effect on vitamin values of pears, M. M. Kramer, W. H. Eddy, and E. F. Kohman (Indus. Engin. Chem., 21 (1929), pp. 859-861).

A comparative study of the protective value of certain fabrics in still and moving air. K. Hess, E. V. Floyd, and L. Baker (Jour. Agr. Research, 41 (1930), pp. 139-144).

KANSAS (Cont.)

Utilization of milk and inorganic calcium and phosphorus, M. T. Potter and M. M. Kramer (Jour. Home Econ., 22 (1930), pp. 923, 924).

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Progress reports in Kentucky Sta. Rpts. 1928, pp. 23, 24; 1929, pp. 29, 32, 33-36.

LOUISIANA

Progress report in Louisiana Sta. Bien Rpt. 1928-29, p. 46.

MAINE

Color of potato chips as influenced by storage temperatures of the tubers and other factors, M. D. Sweetman (Jour. Agr. Research, 41 (1930), pp. 479-490).

MASSACHUSETTS

Progress reports in Massachusetts Sta. Bul. 247 (1927-28), p. 324; Bul. 260 (1929), p. 357.

Food service in Massachusetts rural elementary schools, E. Davies (Massachusetts Sta. Bul. 263 (1930), pp. 51-69).

Dental defects in relation to child nutrition, E. Davies (Jour. Home Econ., 21 (1929), pp. 106-108).

MICHIGAN

Progress report in Michigan Sta. Bien. Rpt. 1927-28, pp. 21, 23.

Relation of soil fertility to vitamin A content of leaf lettuce, M. Dye and J. W. Crist (Jour. Nutrition, 1 (1929), pp. 335-338).

The association of vitamin A with greenness in plant tissue.--II, The vitamin A content of asparagus, J. W. Crist and M. Dye (Jour. Biol. Chem., 81 (1929), pp. 525-538).

MINNESOTA

Selection and use of pork cuts, A. M. Child (Minnesota Sta. Bul. 254 (1929), pp. 26).

MISSISSIPPI

Progress reports in Mississippi Sta. Rpt. 1928, pp. 30-32.

A nutrition investigation of negro tenants in the Yazoo-Mississippi Delta, D. Dickins (Mississippi Sta. Bul. 254 (1928), pp. 52).

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Progress reports in Missouri Sta. Bul. 272 (1929), pp. 66-69; Bul. 285 (1930), pp. 81-84.

MONTANA

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MONTANA (cont.)

The occurrence of vitamin C in two varieties of potatoes grown under similar conditions, J. E. Richardson, D. Douglass, and H. Mayfield (Proc. Potato Assoc. Amer., 16 (1930), pp. 69-73).

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Water carried for household purposes in Nebraska farms, M. R. Clark and G. Gray (Nebraska Sta. Bul. 234 (1929), pp. 22).

The routine and seasonal work of Nebraska farm women, M. R. Clark and G. Gray (Nebraska Sta. Bul. 238 (1930), pp. 39).

A study of kerosene cook stoves, E. B. Snyder (Nebraska Sta. Research Bul. 48 (1930), pp. 44).

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Progress report in New York Cornell Sta. Rpt. 1929, pp. 77-80.

Sizes of purchasing centers of New York farm families, H. Canon (New York Cornell Sta. Bul. 472 (1928), pp. 15).

An economic study of food consumed by farm and village families in central New York, F. M. Williams and J. E. Lockwood (New York Cornell Sta. Bul. 502 (1930), pp. 52).

The behavior of Sudan III when fed with carbohydrate, E. H. MacArthur (Science, 72 (1930), p. 14).

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OHIO

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Food consumption of farm families, H. McKay (Ohio Sta. Bul. 433 (1929), pp. 34).

OKLAHOMA

Educational factors influencing the activities of farm home-makers, G. Fernandes (Oklahoma Sta. Bul. 182 (1928), pp. 14).

Common storage of vegetables: A discussion of the factors involved, M. Benoy. Sundried vegetables, M. Benoy and G. Steininger (Oklahoma Sta. Circ. 75 (1929), pp. 3).

OKLAHOMA (Cont.)

The respiration factor in the deterioration of fresh vegetables at room temperature, M. P. Benoy (Jour. Agr. Research, 39 (1929), pp. 75-80).

The relation between the economic status of the Oklahoma farm family and the farm woman's standards of management with respect to clothing, G. Fernandes (Oklahoma Sta. Bul. 197 (1930), pp. 16).

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Use of time by Oregon farm homemakers, M. Wilson (Oregon Sta. Bul. 256 (1929), pp. 71).

Laundry time costs, M. Wilson (Jour. Home Econ., 22 (1930), pp. 735-740).

RHODE ISLAND

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Time factors in the business of homemaking in rural Rhode Island, M. Whittenore and B. Neil (Rhode Island Sta. Bul. 221 (1929), pp. 35).

SOUTH CAROLINA

Progress reports in South Carolina Sta. Rpts. 1928, pp. 55-59; 1929, pp. 70-72.

Children of pre-school age in selected areas of South Carolina, M. E. Frayser (South Carolina Sta. Bul. 260 (1929), pp. 80).

The use of leisure in selected rural areas of South Carolina, M. E. Frayser (South Carolina Sta. Bul. 263 (1930), pp. 87).

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Use of time by South Dakota farm homemakers, G. E. Wasson (South Dakota Sta. Bul. 247 (1930), pp. 29).

A study of women's coats, A. O. Halgrim (South Dakota Sta. Bul. 248 (1930), pp. 30).

TENNESSEE

Progress report in Tennessee Sta. Rpt. 1928, pp. 15-18.

The effect of the mineral oil treatment on the composition of milk, M. B. MacDonald, E. C. Andes, and F. A. Briggs (Jour. Home Econ., 22 (1930), pp. 213-218).

TEXAS

Progress reports in Texas Sta. Rpts. 1928, pp. 84-87; 1929, pp. 90-92.

UTAH

Progress reports in Utah Sta. Bul. 209 (1929), pp. 59-61; Bul. 220 (1930), pp. 43-45.

UTAH (Cont.)

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Food habits of Utah farm families, A. P. Brown (Utah Sta. Bul. 213 (1929), pp. 20).

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Comparative study of data on farm household expenditures obtained by household accounts and by a survey, M. Muse and C. P. Brooks (Vermont Sta. Bul. 294 (1929), pp. 32).

WASHINGTON

Progress reports in Washington Col. Sta. Bul. 229 (1928), pp. 31, 32; Bul. 237 (1929), p. 32.

The present use of work time of farm homemakers, I. F. Arnquist and E. H. Roberts (Washington Col. Sta. Bul. 234 (1929), pp. 31).

Human energy cost of operating a vacuum cleaner at different speeds, V. Swartz (Jour. Home Econ., 21 (1929), pp. 439-446).

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A method of standardizing "doneness" in cooked vegetables, C. Landreth (Jour. Home Econ., 21 (1929), pp. 826-828).

WEST VIRGINIA

Blackberry jelly, blackberry jam, and cherry preserves, H. Cameron (West Virginia Sta. Circ. 55 (1930), pp. 12).

Standardization of cherry and blackberry preserves and blackberry jelly, H. Cameron and R. L. Burns (West Virginia Sta. Bul. 234 (1930), pp. 24).

High temperature deaths among experimental rats, H. C. Cameron (Science, 69 (1929), p. 576).

Changes in the suprarenal gland in vitamin-A-deficient rats, H. C. Cameron (Proc. West Va. Acad. Sci., 3 (1929), pp. 83, 84).

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Urea concentrations in the blood of the rat in relation to pregnancy and lactation on diets containing varying concentrations of protein, H. T. Parsons (Jour. Biol. Chem., 88 (1930), pp. 311-330).

WYOMING

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